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Pages:808 - 825
[\[Abstract\]](#)   [\[PDF Full-Text \(652 KB\)\]](#)   IEEE JNL
**2 A fuzzy-rule-based image enhancement method for medical applications***Choi, Y.; Krishnapuram, R.;*Computer-Based Medical Systems, 1995., Proceedings of the Eighth IEEE Symposium on , 9-10 June 1995  
Pages:75 - 80
[\[Abstract\]](#)   [\[PDF Full-Text \(276 KB\)\]](#)   IEEE CNF
**3 Image enhancement based on fuzzy logic***YoungSik Choi; Krishnapuram, R.;*Image Processing, 1995. Proceedings., International Conference on , Volume: 1 , 23-26 Oct. 1995  
Pages:167 - 170 vol.1
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**4 Verification of external specifications of reactive systems***Bellini, P.; Bruno, M.A.; Nesi, P.;*Systems, Man and Cybernetics, Part A, IEEE Transactions on , Volume: 30 , Issue: 6 , Nov. 2000  
Pages:692 - 709
[\[Abstract\]](#)   [\[PDF Full-Text \(548 KB\)\]](#)   IEEE JNL

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**5 Relating semantic and proof-theoretic concepts for polynomial time decidability of uniform word problems**

*Ganzinger, H.;*

Logic in Computer Science, 2001. Proceedings. 16th Annual IEEE Symposium on , 16-19 June 2001

Pages:81 - 90

[\[Abstract\]](#)   [\[PDF Full-Text \(856 KB\)\]](#)   [IEEE CNF](#)

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**6 The method of synthesis of derivability conditions for Horn formulas and some other formulas**

*Vassilyev, S.;*

Systems, Man, and Cybernetics, 1998. 1998 IEEE International Conference on , Volume: 2 , 11-14 Oct. 1998

Pages:1451 - 1456 vol.2

[\[Abstract\]](#)   [\[PDF Full-Text \(556 KB\)\]](#)   [IEEE CNF](#)

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**7 Correctness of full first-order specifications**

*Reif, W.;*

Software Engineering and Knowledge Engineering, 1992. Proceedings., Fourth International Conference on , 15-20 June 1992

Pages:276 - 283

[\[Abstract\]](#)   [\[PDF Full-Text \(782 KB\)\]](#)   [IEEE CNF](#)

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### 1 Contributed papers: A discourse copying algorithm for ellipsis and anaphora resolution

Andrew Kehler

 April 1993 **Proceedings of the sixth conference on European chapter of the Association for Computational Linguistics**

Full text available: pdf(895.16 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

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We give an analysis of ellipsis resolution in terms of a straightforward *discourse copying* algorithm that correctly predicts a wide range of phenomena. The treatment does not suffer from problems inherent in identity-of-relations analyses. Furthermore, in contrast to the approach of Dalrymple et al. [1991], the treatment directly encodes the intuitive distinction between full NPs and the referential elements that corefer with them through what we term *role linking*. The correct predi ...

### 2 The effect of establishing coherence in ellipsis and anaphora resolution

Andrew Kehler

 June 1993 **Proceedings of the 31st conference on Association for Computational Linguistics**

Full text available: pdf(808.58 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

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This paper presents a new model of anaphoric processing that utilizes the establishment of coherence relations between clauses in a discourse. We survey data that comprises a currently stalemated argument over whether VP-ellipsis is an inherently syntactic or inherently semantic phenomenon, and show that the data can be handled within a uniform discourse processing architecture. This architecture, which revises the dichotomy between *ellipsis vs. Model Interpretive Anaphora* given by ...

### 3 Discourse & pragmatics: Presupposition & VP-ellipsis

Johan Bos

 August 1994 **Proceedings of the 15th conference on Computational linguistics - Volume 2**

Full text available: pdf(535.22 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#)

We discuss a treatment of VP-ellipsis resolution in DRT in general, and particularly cases where the source clause of the elliptical VP contains presupposition triggers. We propose to restrain VP-ellipsis resolution by presupposition neutralization. We view presupposition as a kind of anaphora, with the ability to accommodate an antecedent if not provided by

discourse.

#### 4 Squibs and discussions: Anaphoric dependencies in ellipsis

Andrew Kehler, Stuart Shieber

September 1997 **Computational Linguistics**, Volume 23 Issue 3

Full text available:  [pdf\(667.71 KB\)](#)

Additional Information: [full citation](#), [references](#)

 [Publisher Site](#)



#### 5 Common Topics and Coherent Situations: interpreting ellipsis in the context of discourse inference

Andrew Kehler

June 1994 **Proceedings of the 32nd conference on Association for Computational Linguistics**

Full text available:  [pdf\(827.30 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

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It is claimed that a variety of facts concerning ellipsis, event reference, and interclausal coherence can be explained by two features of the linguistic form in question: (1) whether the form leaves behind an empty constituent in the syntax, and (2) whether the form is anaphoric in the semantics. It is proposed that these features interact with one of two types of discourse inference, namely *Common Topic* inference and *Coherent Situation* inference. The differing ways in which these ...

#### 6 A uniform approach to underspecification and parallelism

Joachim Niehren, Manfred Pinkal, Peter Ruhrberg

July 1997

Full text available:  [pdf\(646.12 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

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We propose a unified framework in which to treat semantic underspecification and parallelism phenomena in discourse. The framework employs a constraint language that can express equality and subtree relations between finite trees. In addition, our constraint language can express the equality up-to relation over trees which captures parallelism between them. The constraints are solved by context unification. We demonstrate the use of our framework at the examples of quantifier scope, ellipsis, an ...

#### 7 Categorial semantics and scoping

Fernando C. N. Pereira

March 1990 **Computational Linguistics**, Volume 16 Issue 1

Full text available:  [pdf\(907.33 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

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Certain restrictions on possible scopings of quantified noun phrases in natural language are usually expressed in terms of formal constraints on binding at a level of logical form. Such reliance on the form rather than the content of semantic interpretations goes against the spirit of compositionality. I will show that those scoping restrictions follow from simple and fundamental facts about functional application and abstraction, and can be expressed as constraints on the derivation of possible ...


#### 8 Higher-Order Coloured Unification and natural language semantics

Claire Gardent, Michael Kohlhase

June 1996 **Proceedings of the 34th conference on Association for Computational**



## Linguistics

Full text available:  [pdf\(870.25 KB\)](#)

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In this paper, we show that Higher-Order Coloured Unification - a form of unification developed for automated theorem proving - provides a general theory for modeling the interface between the interpretation process and other sources of linguistic, non semantic information. In particular, it provides the general theory for the Primary Occurrence Restriction which (Dalrymple et al., 1991)'s analysis called for.

### 9 Constraints over Lambda-Structures in semantic underspecification

Markus Egg, Joachim Niehren, Peter Ruhrberg, Feiyu Xu  
August 1998

Full text available:  [pdf\(634.34 KB\)](#)

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Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

We introduce a first-order language for semantic underspecification that we call Constraint Language for Lambda-Structures (CLLS). A  $\lambda$ -structure can be considered as a  $\lambda$ -term up to consistent renaming of bound variables ( $\lambda$ -equality); a constraint of CLLS is an underspecified description of a  $\lambda$ -structure. CLLS solves a capturing problem omnipresent in underspecified scope representations. CLLS features constraints for dominance, lambda binding, parallelism, and anaphor ...

### 10 Papers: Focus and Higher-Order Unification

Claire Gardent, Michael Kohlhase

August 1996 **Proceedings of the 16th conference on Computational linguistics - Volume 1**

Full text available:  [pdf\(540.86 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#)

Pulman has shown that Higher-Order Unification (HOU) can be used to model the interpretation of focus. In this paper, we extend the unification-based approach to cases which are often seen as a test-bed for focus theory: utterances with multiple focus operators and second occurrence expressions. We then show that the resulting analysis favourably compares with two prominent theories of focus (namely, Rooth's Alternative Semantics and Krifka's Structured Meanings theory) in that it correctly gene ...

### 11 A statistical approach to language translation

P. Brown, J. Cocke, S. Della Pietra, V. Della Pietra, F. Jelinek, R. Mercer, P. Roossin

August 1988 **Proceedings of the 12th conference on Computational linguistics - Volume 1**

Full text available:  [pdf\(526.95 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

An approach to automatic translation is outlined that utilizes techniques of statistical information extraction from large data bases. The method is based on the availability of pairs of large corresponding texts that are translations of each other. In our case, the texts are in English and French. Fundamental to the technique is a complex glossary of correspondence of fixed locutions. The steps of the proposed translation process are: (1) Partition the source text into a set of fixed locutions. ...

### 12 Interfacing a query language to a CODASYL DBMS

Roger M. Tagg


April 1983 **ACM SIGMOD Record**, Volume 13 Issue 3

Full text available:  [pdf\(963.36 KB\)](#)

Additional Information: [full citation](#), [references](#)

**13 The family of concurrent logic programming languages**



Ehud Shapiro

September 1989 **ACM Computing Surveys (CSUR)**, Volume 21 Issue 3Full text available:  [pdf\(9.62 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Concurrent logic languages are high-level programming languages for parallel and distributed systems that offer a wide range of both known and novel concurrent programming techniques. Being logic programming languages, they preserve many advantages of the abstract logic programming model, including the logical reading of programs and computations, the convenience of representing data structures with logical terms and manipulating them using unification, and the amenability to metaprogramming ...

**14 Anaphora resolution in slot grammar**

Shalom Lappin, Michael McCord

December 1990 **Computational Linguistics**, Volume 16 Issue 4Full text available:  [pdf\(1.54 MB\)](#)  [Publisher Site](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

We present three algorithms for resolving anaphora in Slot Grammar: (1) an algorithm for interpreting elliptical VPs in antecedent-contained deletion structures, subdeletion constructions, and intersentential cases; (2) a syntactic filter on pronominal coreference; and (3) an algorithm for identifying the binder of an anaphor (reflexive pronoun or the reciprocal phrase "each other"). These algorithms operate on the output of a Slot Grammar parser, and, like the parser, they run in Prolog. The VP ...

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